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This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims:**

1. (Currently Amended) A computerized method for processing a query directed to a multidimensional database comprising:

determining a subset of the database for each member of an input data set specified by the query; and

processing the query using any calculated members of the database that is within at least one of the subsets of the database, without the query specifying any calculated members of the database; and

wherein processing the query includes generating an output data set to include the members of the input data set and the encompassed calculated members of the database.

- 2. (Canceled)
- 3. (Original) The computerized method of claim 1, wherein processing the query includes processing the query with an OLAP server.
- 4. (Original) The computerized method of claim 1, further comprising performing the determining step and the processing step when the query includes an extension directing an OLAP server to include calculated members.
- 5. (Previously Presented) The computerized method of claim 1, wherein determining a subset of the database for each member includes identifying within a dimension of the database each member's siblings, the member's descendants and the descendants of the siblings.
- 6. (Withdrawn) A computerized method for processing a query directed to a multidimensional database comprising:

initializing an output data set to an empty set;

copying each member of an input data set specified by the query to the output data set;

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for each respective member of the input data set, identifying a subset of a dimension hierarchy that encompasses the corresponding member;

adding any calculated member of the database to the output data set when the calculated member is encompassed by an identified subset, without the query specifying any calculated members of the database; and

processing the query using the output data set.

- 7. (Withdrawn) The computerized method of claim 6, wherein processing the query includes processing the query with an OLAP server.
- 8. (Withdrawn) The computerized method of claim 7, wherein each step of the method is performed when the query includes an extension directing an OLAP server to automatically include calculated members of the database.
- 9. (Withdrawn) The computerized method of claim 6, wherein determining the subset for each member includes identifying within a dimension of the database each member's siblings, the member's descendants and the descendants of the siblings.
- 10. (Currently Amended) A computer-readable medium having computer-executable instructions for performing a method for processing a query directed to a multidimensional database, the method comprising:

determining a subset of the database for each member of an input data set specified by the query; and

processing the query using any calculated members of the database that are within the at least one of the subsets of the database, without the query specifying any calculated members of the database; and

wherein processing the query includes generating an output data set to include the members of the input data set and the encompassed calculated members of the database.

11. (Canceled)

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12. (Original) The computer-readable medium of claim 10, wherein processing the query includes processing the query with an OLAP server.

- 13. (Original) The computer-readable medium of claim 10, further comprising performing the determining step and the processing step when the query includes an extension directing an OLAP server to include calculated members.
- 14. (Previously Presented) The computer-readable medium of claim 13, wherein determining a subset for each member includes identifying within a dimension of the database each member's siblings, the member's descendants and the descendants of the siblings.
  - 15. (Currently Amended) A computerized system comprising: a processor and a computer-readable medium;

an operating environment executing on the processor from the computer-readable medium; and

an OLAP server executing within the operating environment and maintaining a multidimensional database, wherein the OLAP server processes a database query by determining a subset of the database for each member of an input data set specified by the query; and including in the processing of the query any calculated members of the database that are within the at least one of the subsets of the database, without the query specifying any calculated members of the database; and wherein the OLAP server generates an output data set to include the members of the input data set and the encompassed calculated members of the database.

## 16. (Canceled)

- 17. (Original) The computerized system of claim 15, wherein the OLAP server receives the query from an OLAP client application via a query processor.
- 18. (Original) The computerized system of claim 15, wherein for each member of the input data set the OLAP server identifies, within a dimension of the database, each member's siblings, the member's descendants and the descendants of the siblings.

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19. (Original) The computerized system of claim 15, wherein the database is a relational database system.

20. (Currently Amended) A computerized method for processing a query directed to a multidimensional database, wherein the query specifies an input data set, the method comprising:

determining whether the query includes an extension directing an OLAP server to automatically exclude calculated members of the input data set during the processing of the query; and

based on the determination, processing the query using non-calculated members specified by the input data set; and.

wherein processing the query includes generating an output data set based on the determination.

21. (Original) The computerized method of claim 20, wherein processing the query includes:

initializing an output data set to an empty set;

copying the non-calculated members of the input data set to the output data set; and processing the query using the output data set.

- 22. (Original) The computerized method of claim 21, wherein processing the query includes processing the query with an OLAP server.
- 23. (Currently Amended) A computer-readable medium having computerexecutable instructions for performing a method of processing a query directed to a multidimensional database, the method comprising:

determining whether the query includes an extension directing an OLAP server to automatically exclude calculated members of the input data set during the processing of the query; and

based on the determination, processing the query using non-calculated members specified by the input data set; and

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wherein processing the query includes generating an output data set based on the determination.

24. (Original) The computer-readable medium of claim 23, wherein processing the query includes:

initializing an output data set to an empty set;

copying the non-calculated members of the input data set to the output data set; and processing the query using the output data set.

- 25. (Original) The computer-readable medium of claim 23, wherein processing the query includes processing the query with an OLAP server.
  - 26. (Currently Amended) A computerized system comprising:

a processor and a computer-readable medium;

an operating environment executing on the processor from the computer-readable medium; and

an OLAP server executing within the operating environment and maintaining a multidimensional database, wherein the OLAP server processes a database query by determining whether the query includes an extension directing the OLAP server to automatically exclude calculated members of an input data set; and

based on the determination, processing the query using only the non-calculated members specified by the input data set; and

wherein processing the query includes generating an output data set based on the determination.

- 27. (Original) The computerized system of claim 26 wherein the OLAP server initializing an output data set to an empty set, copies the non-calculated members of the input data set to the output data set, and processes the query using the output data set.
- 28. (Original) The computerized system of claim 26, wherein the OLAP server receives the query from an OLAP client application via a query processor.

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29. (Original) The computerized system of claim 26, wherein the database is a relational database system.

30. (Currently Amended) A computerized method for processing a query directed to a multidimensional database comprising:

parsing a received query to identify whether the query contains a query extension that indicates specifically how calculated members should be handled in processing the query;

when a query directive <u>of the query extension</u> is identified that directs that calculated members be excluded from the output of the query then processing the query using the non-calculated members specified by the input data set; <del>and</del>

when a query directive of the query extension is identified that directs that calculated members be included in the output of the query then performing at least the steps of:

determining a subset of the database for each member of an input data set specified by the query, and

processing the query using any calculated members of the database that is within the at least one of the subsets of the database, without the query specifying any calculated members of the database; and

wherein processing the query includes generating an output data set based on the directive of the query extension.

- 31. (Previously Presented) The computerized method of claim 30 wherein processing the query includes generating an output data set to include the members of the input data set and the encompassed calculated members of the database.
- 32. (Previously Presented) The computerized method of claim 30, wherein processing the query includes processing the query with an OLAP server.
- 33. (Previously Presented) The computerized method of claim 30, wherein determining a subset for each member includes identifying within a dimension of the database each member's siblings, the member's descendants and the descendants of the siblings.

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34. (Currently Amended) A computerized method for processing a query directed to a multidimensional database comprising:

receiving a query specifying an input data set, the query indicating <u>via at least one</u> <u>extension</u> that calculated members of the database be used, and the query not specifying any calculated members of the database;

determining a subset of the database for each member of the input data set specified by the query;

identifying if there are any calculated members of the database corresponding to the subsets of the database; and

processing the query, if there are any calculated members of the database corresponding to the subsets of the database, using the identified calculated members; and wherein processing the query includes generating an output data set to include the members of the input data set and the encompassed calculated members of the database if there are any of the calculated members.

- 35. (Previously Presented) The computerized method of claim 1, wherein processing the query further comprises using the non-calculated members specified by the input data set.
- 36. (Previously Presented) The computer-readable medium of claim 10, wherein processing the query further comprises using the non-calculated members specified by the input data set.
- 37. (Previously Presented) The computerized system of claim 15, wherein the server further processes each non-calculated member specified by the input data set.
- 38. (Previously Presented) The computerized method of claim 30, wherein processing the query further comprises using the non-calculated members specified by the input data set.